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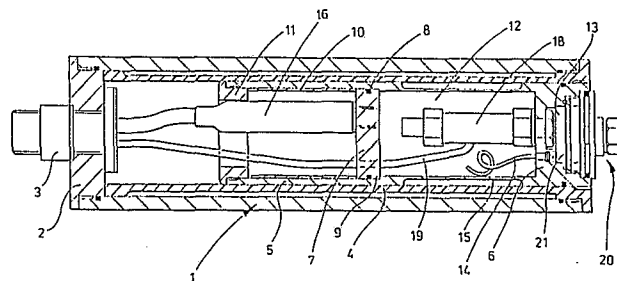
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(54) **Pressure measuring instrument.**

(57) A pressure measuring instrument suitable for immersion in water to measure wave and tidal pressures comprises a cylindrical body (1) within which is a compliance chamber (12) communicating with the external pressure through a restrictor (14), the system being chosen to have a time constant preferably in the range 60-300 seconds. Transducers (18, 16) respectively measure the differential pressure between the compliance chamber (12) and the exterior, and the pressure within the compliance chamber, giving measures of wave pressure and tidal pressure.

FIG 1





DOCUMENTS CONSIDERED TO BE RELEVANT			EP 88307749.7
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. <sup>4</sup> )
A	<u>GB - A - 1 266 805</u> (AZERBAIDZHANSKY) * Fig.; page 2 * --	1,6	G 01 L 9/00
A	<u>CH - A - 452 924</u> (WIENER STARKSTROMWERKE) * Column 5, lines 36-47; fig. * --	1	
A	<u>GB - A - 1 173 080</u> (AMERICAN ATOMICS) * Fig. 1; page 2 * --	1,6	
A	<u>FR - A - 2 095 568</u> (MINE SAFETY) * Fig. 1 * --	1,6	
A	<u>US - A - 4 408 481</u> (SIDEY) * Abstract; fig. 3,5 * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>4</sup> )
			G 01 L 9/00 G 01 L 11/00
Place of search VIENNA		Date of completion of the search 29-06-1989	Examiner BURGHARDT
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	